

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the subject application.

Listing of Claims:

What is claimed is:

1-68. (Cancelled)

69. (Previously Presented) A method of mapping a surface contour of an articular surface comprising:

establishing a working axis extending from said articular surface;

providing a first probe having a first diameter;

measuring a first distance between at least a first point of said articular surface and a first plane substantially normal to said working axis at a distance substantially equal to said first diameter of said first probe from said working axis;

providing a second probe having a second diameter; and

measuring a second distance between at least a second point of said articular surface and a second plane substantially normal to said working axis at a distance substantially equal to said second diameter of said second probe from said working axis.

70. (Previously Presented) A method according to claim 69, wherein said first diameter of said first probe is larger than said second diameter of said second probe.

71. (Previously Presented) A method according to claim 69, wherein an arc-length of said articular surface between said working axis and said at least a first point is greater than an arc-length of said articular surface between said working axis and said at least a second point.

72. (Previously Presented) The method of claim 69, wherein said first and said second planes are the same.

AMENDMENT

Serial Number: 10/760,965

Filing Date: January 20, 2004

Title: System and Method for Joint Resurface Repair

Page 3

Docket: STD00.01CIP2CON

73. (Previously Presented) The method of claim 69, wherein said first and said second planes are different.